

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2007:30982 CAPLUS  
 DN 146:111495  
 TI Negative dielectric anisotropic liquid crystal  
 composition and liquid crystal display element  
 IN Yamamoto, Hitoshi  
 PA Chisso Corp., Japan; Chisso Petrochemical Corporation  
 SO Jpn. Kokai Tokkyo Koho, 70pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2007002132	A	20070111	JP 2005-185295	20050624
PRAI	JP 2005-185295		20050624		

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2006:545608 CAPLUS  
 DN 145:53415  
 TI Liquid crystal composition and liquid  
 crystal display device  
 IN Fujita, Hiroaki; Hattori, Norikatsu  
 PA Chisso Corp., Japan; Chisso Petrochemical Corp.  
 SO U.S. Pat. Appl. Publ., 27 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20060118764	A1	20060608	US 2005-293121	20051205
	US 7348043	B2	20080325		
	JP 2006160857	A	20060622	JP 2004-353182	20041206
PRAI	JP 2004-353182	A	20041206		
OS	MARPAT 145:53415				

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:1149758 CAPLUS  
 DN 143:430117  
 TI Liquid crystal composition and liquid  
 crystal display device  
 IN Yamamoto, Hitoshi  
 PA Chisso Corp., Japan; Chisso Petrochemical Corporation  
 SO Jpn. Kokai Tokkyo Koho, 32 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005298733	A	20051027	JP 2004-119143	20040414
	US 7306831	B1	20071211	US 2005-107338	20050414
PRAI	JP 2004-119143	A	20040414		

L8 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:1132463 CAPLUS  
 DN 143:396495  
 TI Liquid crystal composition and liquid

crystal display element  
IN Hattori, Norikatsu; Yamamoto, Hitoshi  
PA Chisso Corporation, Japan; Chisso Petrochemical Corporation  
SO U.S. Pat. Appl. Publ., 25 pp.  
CODEN: USXXCO

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 20050230661	A1	20051020	US 2005-108002	20050414
	JP 2005298734	A	20051027	JP 2004-119144	20040414
PRAI	JP 2004-119144	A	20040414		

L8 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2005:1103723 CAPLUS

DN 143:396443

TI Benzene derivatives, liquid crystal compositions and  
liquid crystal display

IN Matsui, Syuichi; Sasada, Yasuyuki

PA Chisso Corporation, Japan; Chisso Petrochemical Corporation

SO PCT Int. Appl., 158 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2005095311	A1	20051013	WO 2005-JP5837	20050329
	WO 2005095311	A9	20080313		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA				
	JP 2005314385	A	20051110	JP 2005-94447	20050329
	EP 1731493	A1	20061213	EP 2005-727795	20050329
	R: DE, GB				
	US 20070200092	A1	20070830	US 2006-593874	20061108
PRAI	JP 2004-108969	A	20040401		
	WO 2005-JP5837	W	20050329		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2004:198532 CAPLUS

DN 140:243685

TI Propionic acid derivatives having large negative dielectric anisotropy for  
liquid crystal compositions for displays

IN Sugiura, Mitsuyo; Furuya, Mayumi

PA Chisso Corp., Japan; Chisso Petrochemical Corporation

SO Jpn. Kokai Tokkyo Koho, 68 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2004075667	A	20040311	JP 2003-158914	20030604
PRAI	JP 2002-167712	A	20020607		
OS	MARPAT 140:243685				

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2000:457005 CAPLUS  
DN 133:97156  
TI Preparation of (difluoromethyl)benzene derivatives as liquid  
crystal compounds exhibiting negative anisotropy of permittivity  
IN Tamura, Norio; Fujita, Atsuko; Takeuchi, Hiroyuki; Takeshita, Fusayuki;  
Nakagawa, Etsuo  
PA Chisso Corporation, Japan  
SO PCT Int. Appl., 104 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2000039063	A1	20000706	WO 1999-JP6973	19991213
	W: DE, JP, US				
	DE 19982965	T0	20010426	DE 1999-19982965	19991213
	US 6576303	B1	20030610	US 2000-622826	20000824
PRAI	JP 1998-370025	A	19981225		
	WO 1999-JP6973	W	19991213		
OS	MARPAT 133:97156				

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 1999:583586 CAPLUS  
DN 131:191957  
TI Liquid crystalline medium  
IN Tarumi, Kazuaki; Bremer, Matthias; Schuler, Brigitte; Schoen, Sabine  
PA Merck Patent G.m.b.H., Germany  
SO Ger. Offen., 12 pp.  
CODEN: GWXXBX  
DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 19809118	A1	19990909	DE 1998-19809118	19980304
PRAI	DE 1998-19809118		19980304		
OS	MARPAT 131:191957				

L8 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 1996:315190 CAPLUS  
DN 124:356400  
OREF 124:65917a,65920a  
TI Trifluoromethyl benzene derivative and liquid crystal  
composition for liquid crystal display  
IN Tsucha, Kazuhiko; Suzuki, Kenji; Kuroiwa, Kenji  
PA Kanto Kagaku, Japan; Kanto Chemical Co., Inc.  
SO Jpn. Kokai Tokkyo Koho, 27 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 08040953	A	19960213	JP 1994-211660	19940803
	JP 3702426	B2	20051005		
PRAI	JP 1994-211660		19940803		

L8 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1994:604938 CAPLUS

DN 121:204938

OREF 121:37301a,37304a

TI Liquid crystalline 2,6-disubstituted benzotrifluorides

IN Reiffenrath, Volker; Pausch, Axel; Suermann, Juliane; Finkenzeller, Ulrich

PA Merck Patent GmbH, Germany

SO Ger. Offen., 31 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 4338348	A1	19940526	DE 1993-4338348	19931110
	DE 4338348	B4	20060511		
PRAI	DE 1992-4238921	A1	19921119		
OS	MARPAT 121:204938				